## Piezo electric vibrator pump.

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US 3606592

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## Abstract of EP0322899

A pump is comprised of a piezo-electric vibrator (2) mounted in a casing (1). The piezo-electric vibrator (2) is coated with an elastic elastomer layer (10), and a peripheral part of the elastomer layer is secured to the casing (1) within the casing (1). Suction and discharge of fluid is performed by means of a piezoelectric vibrator vibrated by applying alternative current voltages between electrodes (3,4) of the piezoelectric vibrator (2). The vibration of the piezo-electric vibrator (2) is performed smoothly to produse and high discharge volume and discharge pressure can be produced.

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